

## DATA EVALUATION REPORT

NAF-313

**STUDY TYPES:** ACUTE ORAL TOXICITY - RAT (870.1100)  
ACUTE DERMAL TOXICITY - RABBIT (870.1200)  
ACUTE INHALATION TOXICITY - RAT (870.1300)  
PRIMARY EYE IRRITATION - RABBIT (870.2400)  
PRIMARY DERMAL IRRITATION - RABBIT (870.2500)  
DERMAL SENSITIZATION - GUINEA PIG (870.2600)

**SUMMARY:** ACUTE TOXICITY ONE-LINERS (870.1100 through 870.2600)

Prepared for

Registration Division  
Office of Pesticide Programs  
U.S. Environmental Protection Agency  
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Prepared by

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### Disclaimer

This review may have been altered subsequent to the contractor's signatures above.

Oak Ridge National Laboratory, managed by Lockheed Martin Energy Research Corp. for the U.S. Department of Energy under contract number DE-AC05-96OR22464.

## DATA REVIEW FOR PRIMARY EYE IRRITATION TESTING (870.2400, previously §81-4)

**Product Manager:** 03  
**MRID No.:** 44597723

**Contract Reviewer:** Susan Chang  
**EPA Reviewer:** Byron T. Backus, Ph.D.  
**Study Completion Date:** September 8, 1997  
**Study No.:** 971089

**Testing Facility:** Toxicology Research Laboratory, Health and Environmental Research  
Laboratories, Dow Chemical Company

**Author:** Brooks, K.J.

**Quality Assurance (40 CFR §160.12):** Included (p. 4)

**Test Material:** NAF-313 (11.3% DE-105); Lot F0216-141; Reference No. TSN101367; tan,  
opaque liquid, pH~9

**Dosage:** 0.1 mL

**Species:** Rabbits; Albino, New Zealand White

**Age:** Approximately 5 months

**Weight:** Males: 2.139-2.249 kg; Females: 2.013-2.436 g

**Source:** Hazelton Research Products, Inc.

### Conclusion:

1. **Toxicity Category:** IV (Not an irritant)
2. **Classification:** Acceptable

**Procedure (including deviations from 870.2400):** "An ocular anesthetic was used for both eyes of each rabbit after discomfort was observed in the first rabbit."

Observations	Number "positive"/number tested			
	Hours			
	1	24	48	72
Unwashed eyes				
Corneal Opacity	0/6	0/6	0/6	0/6
Iritis	0/6	0/6	0/6	0/6
Conjunctivae:				
Redness <sup>a</sup>	0/6	0/6	0/6	0/6
Chemosis <sup>a</sup>	0/6	0/6	0/6	0/6
Discharge	0/6	0/6	0/6	0/6

<sup>a</sup>Score of 2 or greater considered as a positive response.

**Summary:** 6/6 scored "1" for redness and 1/6 scored "1" for chemosis at one hour. All scores were zero at 24 hours. No "positive" reactions were noted on any rabbits.